

AD_____

Award Number: W81XWH-11-1-0749

TITLE: New York Medical College Bioterrorism: CDM Disaster Medicine and Emerging Infections Training Center

PRINCIPAL INVESTIGATOR: David Markenson, M.D.

CONTRACTING ORGANIZATION: New York Medical College

REPORT DATE: October 2012

TYPE OF REPORT: Annual

PREPARED FOR: U.S. Army Medical Research and Materiel Command
Fort Detrick, Maryland 21702-5012

DISTRIBUTION STATEMENT: Approved for Public Release;
Distribution Unlimited

The views, opinions and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision unless so designated by other documentation.

REPORT DOCUMENTATION PAGE

*Form Approved
OMB No. 0704-0188*

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing this collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS.**

1. REPORT DATE October 2012			2. REPORT TYPE Annual		3. DATES COVERED 12 September 2011 - 11 September 2012	
4. TITLE AND SUBTITLE New York Medical College Bioterrorism: CDM Disaster Medicine and Emerging Infections Training Center			5a. CONTRACT NUMBER			
			5b. GRANT NUMBER W81XWH-11-1-0749			
			5c. PROGRAM ELEMENT NUMBER			
6. AUTHOR(S) David Markenson, M.D. E-Mail:david_markenson@nymc.edu			5d. PROJECT NUMBER			
			5e. TASK NUMBER			
			5f. WORK UNIT NUMBER			
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) NEWYORKMEDICALCOLLEGE VALHALLA NY 10595-1690			8. PERFORMING ORGANIZATION REPORT NUMBER			
			10. SPONSOR/MONITOR'S ACRONYM(S)			
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Army Medical Research and Materiel Command Fort Detrick, Maryland 21702-5012			11. SPONSOR/MONITOR'S REPORT NUMBER(S)			
			12. DISTRIBUTION / AVAILABILITY STATEMENT Approved for Public Release; Distribution Unlimited			
13. SUPPLEMENTARY NOTES						
14. ABSTRACT The project was aimed at creating a pilot emergency management training program. This program would then be delivered to target test audiences with pre and post course cognitive, pyschomotor and affective evaluations. During the first year of this grant baseline data and evaluation has occurred on existing programs with identification of potential course topics and refinement of target audience.						
15. SUBJECT TERMS						
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON USAMRMC	
a. REPORT U	b. ABSTRACT U	c. THIS PAGE U	UU	7	19b. TELEPHONE NUMBER (include area code)	

Table of Contents

	<u>Page</u>
Introduction.....	1
Body.....	2
Key Research Accomplishments.....	3
Reportable Outcomes.....	3
Conclusion.....	3
References.....	4
Appendices.....	4

INTRODUCTION:

This project supports training that focuses on emergency operations center roles and functions, hospital decontamination capacity, emergency preparedness and terrorism operations, and public health emergency management training to be delivered to local responders, health care agencies, public health departments and available to both staff at Keller Army Hospital and the Cadet Medical Intervention Team at the US Military Academy at West Point. The pilot training program developed in this program will be delivered to the target groups (local responders, health care agencies, public health departments and available to both staff at Keller Army Hospital and the Cadet Medical Intervention Team at the US Military Academy at West Point). Pre and post course cognitive, affective, and psychomotor evaluations will be performed to determine the effectiveness of the instructional content and delivery method. The results will guide our center in creating more targeted and effective training programs in these critical areas in the future.

BODY:

As defined in the original grant submission year one would be predominantly devoted to Goal 1 which is listed below for reference. Goal 1 is targeted at assessing baseline and developing draft course type, outline and objective. In addition year one is devoted to identifying partners and target audience for course pilots. Due this first year being project infrastructure creation, baseline and initial draft development with review of drafts and finalization not occurring until 1st quarter year two, there were no specific deliverables or publically distributable outcomes planned for year one.

Goal 1: Design curricula and course materials for two pilot training programs consistent with recent regional needs assessments for the public health and disaster medical response to CBRNE events and public health emergencies.

Timeline and Activities:

Month 1-4:

- Review of existing NYMC disaster educational needs assessment (initially performed 2007 and updated annually). Review of existing courses and reference materials for possible inclusion in courses to be developed.
- Preliminary identification of training partners and possible courses based on educational needs assessment data.
- Development of expert advisory group to help provide input and feedback on course creation

Month 4-6:

- Final identification of 2 pilot courses to be created from possible list created. Courses to be classroom delivered using combination of lecture and multimedia presentation and delivered in 8 hours to include lunch and break periods.

- Identification of appropriate educational competencies for each of 2 courses.
- Draft of overarching learning objectives.

Months 6-8: Development of learning objectives for all three domains of learning (cognitive, affective, and psychomotor) for each course; Draft course content outline for each course including solicitation of external input from advisory board.

Months 8-14: Review and finalization of course content; Identification of delivery method(s); Drafting of course materials including external review from advisory board.

For Goal 1 the following the tasks which have been completed in Year 1 are as follows:

- Review of existing NYMC disaster educational needs assessment (initially performed 2007 and updated annually). Review of existing courses and reference materials for possible inclusion in courses to be developed.
- Preliminary identification of training partners and possible courses based on educational needs assessment data.
- Development of expert advisory group to help provide input and feedback on course creation
- Final identification of 2 pilot courses to be created from possible list created. Courses to be classroom delivered using combination of lecture and multimedia presentation and delivered in 8 hours to include lunch and break periods.
- Identification of appropriate educational competencies for each of 2 courses.
- Draft of overarching learning objectives.

As also planned in the original grant submission while begun and the majority of goal one was scheduled for year one, the completion of this goal would be in first quarter of year two.

Listed below are Goals 2-5 which as indicated in the original grant submission are not scheduled to begin until year 2 of grant. Therefore while listed for completeness do not have any reported activity.

Goal 2: Pilot courses in health care setting to target audience.

Timeline and Activities:

Months 14-16:

- Identification of pilot sites and audiences
- Draft of evaluation tool; training of instructors; preparation of course materials.

Months 16-20:

- Delivery of a minimum 2 pilot courses for each course developed
- Collection and analysis of assessment data
- Preliminary review of findings and determination of next steps/improvement planning.

Goal 3: Evaluate cognitive, affective and psychomotor knowledge and learning pre and post course delivery to determine if baseline level knowledge has been increased in the workforce.

Timeline and Activities:

Months 16-20:

- Delivery of a minimum 2 pilot courses for each course developed
- Collection and analysis of assessment data; preliminary review of findings and determination of next steps/improvement planning.

Goal 4: Revise course content and delivery methods based on empirical data.

Timeline and Activities:

Months 20-23:

- Review of pilot data with advisory board to determine if modifications needed
- Revision of 2 course as needed

Goal 4: Preparation and Submission to TATRC of Final Deliverable

Timeline and Activities:

Months 23-24:

- Draft of final report of results of evaluation of cognitive, affective and psychomotor knowledge and learning pre and post course delivery.
- Submission of final report to TATRC.

KEY RESEARCH ACCOMPLISHMENTS:

- Developed research team and advisors
- Initial list of possible target course delivery locations and audiences
- Reviewed multiple national and local existing course for possible models and to avoid duplication
- Draft course target topics and objectives developed

REPORTABLE OUTCOMES:

As the first period of this grant was the development of the research team, obtaining baseline data and surveying existing programs, defining targets and developing draft course topics and outlines, there are no reportable outcomes.

CONCLUSION:

The first year of this project has been exceptionally helpful in developing our infrastructure. In addition the evaluation of our past gap analysis and national assessment of existing programs has helped to focus our efforts to course creation of a program which addresses the needs of our region and builds on existing excellent program with the addition our materials. We look forward to the review of our draft materials and finalization of course objectives, content and delivery methods in the first quarter of year two.

REFERENCES:

Not applicable for this report

APPENDICES:

Not applicable for this report